

ABSTRACT OF THE DISCLOSURE

A spray nozzle of two piece structure threaded together and including a fitting for mounting on a pressurized liquid supply pipe and including an orifice controlling liquid flow to a one piece molded nozzle of plastic material screw threaded onto the fitting. The nozzle includes spaced longitudinal side walls interconnected by a top wall and a bottom slot. A diffuser plate or blade is mounted between the side walls at the discharge end of the nozzle. The side walls of the nozzle converge from the inlet end of the nozzle toward the nozzle blade or plate at the discharge end. Each side wall converges toward the center line of the nozzle at an angle ranging between 1° and 3° . A thin metal plate forms a closure for a major portion of the length of the bottom slot with a rearward end having an air inlet below the orifice in the fitting to draw air into the nozzle as liquid exits the orifice into a larger volume area at a reduced pressure. The other end of the plate terminates in adjacent but spaced relation to the diffuser blade.